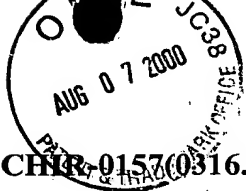


DOCKET NO.: CHN-0157(0316.006)



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE RECEIVED

In Re Application of: Covacci et al.

AUG 11 2000

Serial No.: 09/360,685

Group Art Unit: 1645

TECH CENTER 1600/2900

Filing Date: July 26, 1999

Examiner: Bui, P.

For: **Helicobacter Pylori CAI Antigen Proteins Useful for Vaccines and Diagnostics**

DATE OF DEPOSIT: Aug. 3, 2000  
I HEREBY CERTIFY THAT THIS PAPER IS BEING  
DEPOSITED WITH THE UNITED STATES POSTAL  
SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID  
ON THE DATE INDICATED ABOVE AND IS  
ADDRESSED TO THE ASSISTANT COMMISSIONER  
FOR PATENTS, WASHINGTON, DC 20231.

Robin S. Quartin, Ph.D.  
REGISTRATION NO.: 45,028

Box ☐ NON-FEE

☐ AF

Assistant Commissioner for Patents  
Washington DC 20231

Sir:

**AMENDMENT TRANSMITTAL LETTER**

Transmitted herewith for filing in the above-identified patent application is:

- ☐ A Preliminary Amendment.
- ☒ An Amendment Responsive to the Office Action Dated February 14, 2000 with  
attached Exhibits A-G.
- ☐ An Amendment Supplemental to the Paper filed \_\_\_\_\_.
- ☐ Other: \_\_\_\_\_.
- ☐ Small entity status of this application under 37 C.F.R. 1.9 and 1.27 was established in  
a previous submission.
- ☐ A Statement Claiming Small Entity Status under 37 C.F.R. 1.9 and 1.27 is enclosed.

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DOCKET NO.: CHIR-0157(0316.006) - 2 -

☐ This application is no longer entitled to small entity status. It is requested that this be noted in the files of the Patent and Trademark Office.

☐ Substitute Pages \_\_\_\_\_ of the Specification are enclosed.

☒ An Abstract is enclosed.

☐ \_\_\_\_\_ Sheets of Proposed Corrected Drawings are enclosed.

☐ A Certified Copy of each of the following applications: \_\_\_\_\_  
\_\_\_\_\_ is enclosed.

☐ An Associate Power of Attorney is enclosed.

☐ Information Disclosure Statement.

☐ Attached Form 1449.

☐ A copy of each reference as listed on the attached Form PTO-1449 is enclosed herewith.

☐ Appended Material as follows: \_\_\_\_\_

☒ Other Material as follows: Abstract; Unexecuted Declaration; Response to Notice to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosure; Statement to Support Filing and Submission in Accordance with 37 CFR §§1.821 Through 1.825; copy of Notice to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosure; Paper copy of Substitute Sequence Listing pages 1- 19; and Substitute Sequence Listing in Computer readable form.

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DOCKET NO.: CHIR-0157(0316.006) - 3 -

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**FEE CALCULATION**

☐ No Additional Fee is Due.

				SMALL ENTITY		NOT SMALL ENTITY	
	REMAINING AFTER AMENDMENT	HIGHEST PAID FOR	EXTRA	RATE	FEE	RATE	FEE
TOTAL CLAIMS	22	28 (20 MINIMUM)	0	\$9 EACH	\$	\$18 EACH	\$ 0
INDEP. CLAIMS	8	8 (3 MINIMUM)	0	\$39 EACH	\$	\$78 EACH	\$ 0
FIRST PRESENTATION OF MULTIPLE DEPENDENT				\$130	\$	\$260	\$
<input type="checkbox"/> ONE MONTH EXTENSION OF TIME				\$55	\$	\$110	\$
<input type="checkbox"/> TWO MONTH EXTENSION OF TIME				\$190	\$	\$380	\$
<input checked="" type="checkbox"/> THREE MONTH EXTENSION OF TIME				\$435	\$	\$870	\$870.00
<input type="checkbox"/> FOUR MONTH EXTENSION OF TIME				\$680	\$	\$1360	\$
<input type="checkbox"/> FIVE MONTH EXTENSION OF TIME				\$925	\$	\$1850	\$
<input type="checkbox"/> LESS ANY EXTENSION FEE ALREADY PAID				minus	(\$ )	minus	(\$ )
<input type="checkbox"/> TERMINAL DISCLAIMER				\$55	\$	\$110	\$
<input type="checkbox"/> OTHER FEE OR SURCHARGE AS FOLLOWS:							
TOTAL FEE DUE							\$870.00

- ☒ A Check is Enclosed in the Foregoing Amount Due.
- ☒ Petition is hereby made under 37 C.F.R. 1.136(a) to extend the time for response to the Office Action of **February 14, 2000** to and through **August 14, 2000** comprising an extension of the shortened statutory period of **3 month(s)**.
- ☒ The Commissioner is hereby requested to grant an extension of time for the appropriate length of time, should one be necessary, in connection with this filing or any future filing submitted to the U.S. Patent and Trademark Office in the above-identified application during the pendency of this application. The Commissioner is

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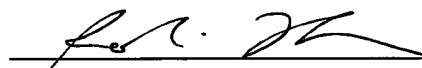
further authorized to charge any fees related to any such extension of time to deposit account 23-3050. This sheet is provided in duplicate.

- ☒ The Commissioner is authorized to charge payment of the following fees and to refund any overpayment associated with this communication or during the pendency of this application to deposit account 23-3050. This sheet is provided in duplicate.
- ☐ The Foregoing Amount Due for Filing this Paper.
- ☒ Any additional filing fees required, including fees for the presentation of extra claims under 37 C.F.R. 1.16.
- ☒ Any additional patent application processing fees under 37 C.F.R. 1.17 or 1.20(d).

**SHOULD ANY DEFICIENCIES APPEAR** with respect to this application, including deficiencies in payment of fees, missing parts of the application or otherwise, the United States Patent and Trademark Office is respectfully requested to promptly notify the undersigned.

Date:

*Aug 3, 2000*

  
\_\_\_\_\_  
Robin S. Quartin, Ph.D.  
Registration No. 45,028

Woodcock Washburn Kurtz  
Mackiewicz & Norris LLP  
One Liberty Place - 46th Floor  
Philadelphia PA 19103  
Telephone: (215) 568-3100  
Facsimile: (215) 568-3439

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Covacci et al.

Serial No.: 09/360,685

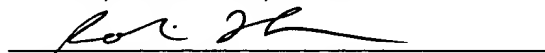
Group Art Unit: 1645

Filing Date: July 26, 1999

Examiner: Bui, P

For: **Helicobacter Pylori CAI Antigen Proteins Useful for Vaccines and Diagnostics**DATE OF DEPOSIT: Aug. 3, 2000

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO BOX SEQUENCE, ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, DC 20231.

  
Robin S. Quartin, Ph.D.  
REGISTRATION NO.: 45,028

**BOX SEQUENCE**

Assistant Commissioner for Patents  
Washington DC 20231

**RESPONSE TO NOTICE TO COMPLY WITH REQUIREMENTS  
FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE  
SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURE**

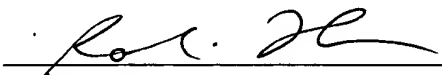
In response to the "Notice to Comply With Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures" dated **February 14, 2000**, a response to which is due **August 14, 2000**, enclosed herewith is:

- ☒ Statement to Support Filing and Submission in Accordance with 37 CFR §§1.821 through 1.825;
- ☒ Substitute pages of the Sequence Listing;
- ☒ Substitute copy of the computer readable form of amended Sequence Listing;
- ☒ Copy of Notice to Comply With Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures;
- ☒ Petition for Extension of Time;

☒ Other:

The Commissioner is hereby authorized to charge any underpayment associated with this communication or credit any overpayment to Deposit Account No. 23-3050. This sheet is attached in duplicate.

Date: *August 3, 2000*

  
\_\_\_\_\_  
Robin S. Quartin, Ph.D.  
Registration No. 45,028

Woodcock Washburn Kurtz  
Mackiewicz & Norris LLP  
One Liberty Place - 46th Floor  
Philadelphia PA 19103  
Telephone: (215) 568-3100  
Facsimile: (215) 568-3439

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING  
NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

1. This application clearly falls to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☐ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked-up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☒ 7. Other: Applicant should follow the format of the attached sample statement to request that the CRF filed in the parent application be used to create a CRF in this application.

**Applicant Must Provide:**

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification. *(8 sequences in spec., 7 listed in sequence listing)*
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

For PatentIn software help, call (703) 308-6856

**PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR RESPONSE**